



**SUMMARY TEST DATA
ON
P1T-500M18G-80-R-SFF-SW21841A**

PL28133/2011

Customer: _____ Tested By: L. McGraw
 SO No: _____ Temperature: +25°C
 Model No: P1T-500M18G-80-R-SFF-SW21841A Date: 03/13/20
 Serial No: PL28133/2011 Drawing No: 27629121 Rev: A1

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range	0.5 TO 18.0 GHz	0.5 TO 18.0 GHz	PMI QA1
2	Isolation	45 dB Min (0.5 to 1.0 GHz) 70 dB Min (1.0 to 2.0 GHz) 85 dB Min (2.0 to 12.4 GHz) 80 dB Min (12.4 to 18.0 GHz)	1.0 GHz -92dB 2.0 GHz -103dB 12.4 GHz -92dB 18.0 GHz -89dB (See Plot)	
3	Insertion Loss	1.0 dB Max (0.5 to 2.0 GHz) 1.2 dB Max (2.0 to 4.0 GHz) 1.5 dB Max (4.0 to 8.0 GHz) 2.0 dB Max (8.0 to 12.4 GHz) 2.5 dB Max (12.4 to 18.0 GHz)	2.0 GHz -0.61dB 4.0 GHz -0.77dB 8.0 GHz -1.06dB 12.4 GHz -1.50dB 18.0 GHz -2.09dB (See Plot)	
4	VSWR IN/OUT "On Position"	1.4:1 Max (0.5 to 4.0 GHz) 1.6:1 Max (4.0 to 8.0 GHz) 1.9:1 Max (8.0 to 18.0 GHz)	Input VSWR 4.0 GHz 1.3:1 8.0 GHz 1.2:1 18.0 GHz 1.3:1 Output VSWR 4.0 GHz 1.4:1 8.0 GHz 1.2:1 18.0 GHz 1.3:1 (See Plot)	
5	Input Power	2W Average 10W Peak @ 1 µsec PW	Pass	
6	Rise / Fall Time (10% to 90% RF & 90% to 10% RF)	2 ns Max	See Typical Characteristics	
7	Delay On / Off (50% to 10% / 90% RF)	20 ns Max	See Typical Characteristics	
8	DC Supply	+15VDC @ 100 mA Typ -15VDC @ 45 mA Typ	42mA 29mA	
9	Control Signal	TTL COMPATIBLE 0 "ISOLATION" 1 "INSERTION LOSS"	Pass	PMI QA1

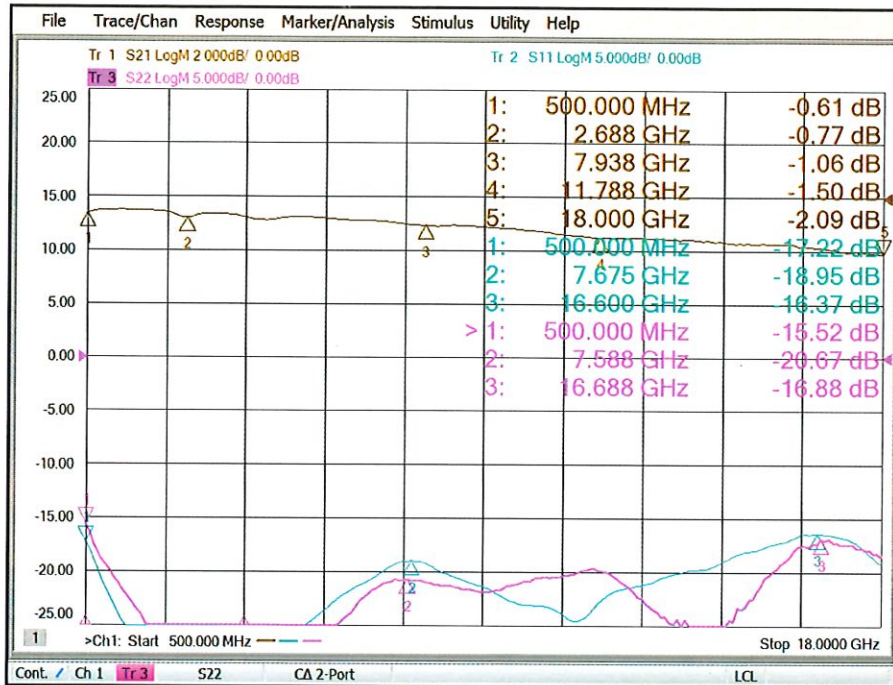
QA/QC Approval: PMI QA1 Date: 3/16/20



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(J1 – J2) Insertion Loss and Return Loss



(J1 – J2) Isolation

